Index of Claims

| App | licati | on/Co | ntrol | No. |
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09/837,055 Examiner

Applicant(s)/Patent under Reexamination

HIRASAWA, MASAHIDE

Art Unit

PELING A. SHAW

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| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| I | Interference |

| Α | Appeal   |
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| o | Objected |

|       |                                  | _        |  |          |          |          |   |          |   | <u> </u> |  |  |  |  |
|-------|----------------------------------|----------|--|----------|----------|----------|---|----------|---|----------|--|--|--|--|
| Cla   | aim                              | Date     |  |          |          |          |   |          |   |          |  |  |  |  |
| Final | Original                         | 9/12/08  |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 1                                | 4        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 2                                | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 2                                | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 4                                | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 4<br>5<br>6                      | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       |                                  | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 7<br>8                           | -        |  | _        |          |          |   |          |   |          |  |  |  |  |
|       | 8                                | -        |  | _        |          |          |   |          |   |          |  |  |  |  |
|       | 9                                | -<br>√   |  | _        |          |          |   |          |   |          |  |  |  |  |
|       | 10                               | N<br>J   |  | _        |          | _        |   |          |   |          |  |  |  |  |
|       | 17                               | ٧.       |  | $\vdash$ | <u> </u> | $\vdash$ | - | $\vdash$ | H | -        |  |  |  |  |
|       | 13                               | <u> </u> |  | $\vdash$ | $\vdash$ | $\vdash$ |   | $\vdash$ |   |          |  |  |  |  |
|       | 14                               | -        |  | $\vdash$ |          |          |   |          |   |          |  |  |  |  |
|       | 11<br>12<br>13<br>14<br>15<br>16 | 1        |  |          |          |          |   |          | Н |          |  |  |  |  |
|       | 16                               | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 17                               | -        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 18                               | 1        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 19                               | 1        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 20                               | V        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 21<br>22                         | 4        |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 22                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 23                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 24<br>25                         |          |  | _        |          |          |   |          |   |          |  |  |  |  |
|       | 26                               |          |  | _        |          |          |   |          |   |          |  |  |  |  |
|       | 27                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 28                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 29                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 30                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 31                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 32                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 33                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 34                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 35                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 36                               | _        |  | _        | <u> </u> | <u> </u> |   | <u> </u> |   |          |  |  |  |  |
|       | 37                               | L        |  |          |          | _        |   |          |   |          |  |  |  |  |
|       | 38                               | $\vdash$ |  | _        |          | <u> </u> |   | <u> </u> |   | _        |  |  |  |  |
| -     | 39                               | $\vdash$ |  | _        | -        | $\vdash$ |   | $\vdash$ |   |          |  |  |  |  |
|       | 40                               | $\vdash$ |  |          |          | $\vdash$ |   | -        | H |          |  |  |  |  |
|       | 41                               | $\vdash$ |  | $\vdash$ | $\vdash$ | $\vdash$ |   | $\vdash$ |   |          |  |  |  |  |
|       | 43                               | $\vdash$ |  | $\vdash$ | $\vdash$ | $\vdash$ |   | $\vdash$ |   |          |  |  |  |  |
|       | 44                               | H        |  | $\vdash$ |          | $\vdash$ |   | $\vdash$ | H |          |  |  |  |  |
|       | 45                               | $\vdash$ |  |          |          | $\vdash$ |   |          |   |          |  |  |  |  |
|       | 46                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 47                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 48                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 49                               |          |  |          |          |          |   |          |   |          |  |  |  |  |
|       | 50                               |          |  |          |          |          |   |          |   |          |  |  |  |  |

| Cla   | Claim    |   | Date |          |          |          |          |   |          |  |  |  |  |  |  |
|-------|----------|---|------|----------|----------|----------|----------|---|----------|--|--|--|--|--|--|
|       |          |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
| ਲ     | Original |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
| Final | rigi     |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
| -     | 0        |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 51       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 52       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 52       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 53       | _ |      | $\vdash$ |          |          |          |   |          |  |  |  |  |  |  |
|       | 54       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 55       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 56       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 57       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 58       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 59       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 60       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 61       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 62       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 63       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 64       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 65       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 66       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 67       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 68       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 69       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 70       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 70       |   |      | $\vdash$ |          |          |          |   |          |  |  |  |  |  |  |
|       | 71<br>72 |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 72       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 73       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 74<br>75 |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | /5       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 76       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 77       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 78       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 79       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 80       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 81       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 82       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 83       |   |      |          |          |          |          |   | L        |  |  |  |  |  |  |
|       | 84       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 85       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 86       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 87       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 88       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 89       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 90       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 91       |   |      | $\vdash$ |          |          |          |   |          |  |  |  |  |  |  |
|       | 92       | H |      | $\vdash$ | H        |          |          |   |          |  |  |  |  |  |  |
|       | 93       |   |      |          |          |          |          |   |          |  |  |  |  |  |  |
|       | 94       | H |      | $\vdash$ | Н        |          |          |   |          |  |  |  |  |  |  |
| -     | 95       | H |      | $\vdash$ | Н        |          |          |   |          |  |  |  |  |  |  |
| -     |          |   | -    | $\vdash$ |          | _        | -        |   | -        |  |  |  |  |  |  |
|       | 96       |   |      | $\vdash$ | $\vdash$ |          |          |   | -        |  |  |  |  |  |  |
| -     | 97       | H | -    | $\vdash$ | Н        | <u> </u> | -        | _ | -        |  |  |  |  |  |  |
|       | 98       |   |      | $\vdash$ |          |          |          |   |          |  |  |  |  |  |  |
|       | 99       |   | _    | <u> </u> | Ш        | _        | <u> </u> |   | <u> </u> |  |  |  |  |  |  |
| - 1   | 100      | 1 |      | ı        |          | 1        | ı        |   | Ī        |  |  |  |  |  |  |

| Cla       | iim      | Date     |  |          |   |  | Date Claim Date |   |  |          |       |          |          | С       | laim    | Date   |          |          |          |           |       |            |   |        |   |   |          |                   |           |          |
|-----------|----------|----------|--|----------|---|--|-----------------|---|--|----------|-------|----------|----------|---------|---------|--------|----------|----------|----------|-----------|-------|------------|---|--------|---|---|----------|-------------------|-----------|----------|
| 5         | Original | 9/17/08  |  |          |   |  |                 |   |  |          | Final | Original |          |         |         |        |          |          |          |           | Final | Original   |   |        |   |   |          |                   |           |          |
|           | 1        | 1        |  |          |   |  |                 |   |  |          |       | 51       |          | $\perp$ |         |        |          |          |          |           |       | 101        |   |        |   |   |          | $\Box$            | $\Box$    |          |
|           | 2        | -        |  |          |   |  |                 |   |  | _        |       | 52       |          | _       | _       | _      |          |          |          |           |       | 102        |   |        |   |   |          | $\dashv$          | _         | _        |
|           | 3        | -        |  | _        |   |  | Ш               |   |  | _        |       | 53       | _        | $\bot$  | $\bot$  | _      |          |          | _        | _         |       | 103        |   |        |   |   | _        | $\dashv$          | $\dashv$  | _        |
|           | 4        | -        |  | _        |   |  | $\square$       | _ |  | _        |       | 54       |          | +       | +       | +      |          |          | 4        | 4         |       | 104        |   | _      | - |   | _        | $\dashv$          | $\dashv$  | _        |
|           | 5        | -        |  |          |   |  |                 |   |  | _        |       | 55       | -        | +       | +       | +      |          |          | -        |           |       | 105        |   | +      |   |   | -        | $\dashv$          | $\dashv$  | _        |
|           | 6<br>7   | -        |  | _        |   |  | $\vdash$        |   |  | _        |       | 56<br>57 | -        | +       | -       | +      |          |          | +        | _         |       | 106<br>107 |   | -      |   |   | -        | $\dashv$          | $\dashv$  | _        |
| $\dashv$  | 8        | -        |  | _        |   |  | $\vdash$        |   |  | $\dashv$ |       | 58       | -        | +       | +       | +      |          |          | +        | -         |       | 107        |   | +      |   |   | -        | $\dashv$          | $\dashv$  | -        |
| $\dashv$  | 9        | -        |  |          |   |  | H               |   |  | -        |       | 59       |          | +       | +       | ╁      |          |          | +        |           |       | 109        |   |        |   |   |          | $\dashv$          | $\dashv$  | $\dashv$ |
|           | 10       | √        |  | _        |   |  | $\vdash$        |   |  |          |       | 60       |          | +       | +       | +      | -        |          | $\dashv$ | $\dashv$  |       | 110        |   | +      |   |   | $\dashv$ | $\dashv$          | $\dashv$  | -        |
|           | 11       | 1        |  |          |   |  | H               |   |  | -        |       | 61       | -        | +       | +       | +      | -        |          | +        | -         |       | 111        |   | +      |   |   |          | $\dashv$          | $\dashv$  | $\dashv$ |
|           | 12       | <u> </u> |  |          |   |  |                 |   |  | _        |       | 62       |          | +       | T       |        |          |          |          |           |       | 112        |   |        |   |   |          |                   | $\dashv$  | -        |
|           | 13       | -        |  |          |   |  |                 |   |  | 1        |       | 63       |          | +       | T       |        |          |          |          |           |       | 113        |   |        |   |   |          | $\exists$         | 寸         | $\neg$   |
|           | 14       | -        |  |          |   |  |                 |   |  | _        |       | 64       |          | T       | T       | 1      |          |          |          |           |       | 114        |   |        |   |   |          | T                 | 寸         | 7        |
|           | 15       | √        |  |          |   |  |                 |   |  |          |       | 65       |          |         |         |        |          |          |          |           |       | 115        |   |        |   |   |          | T                 | ヿ         |          |
|           | 16       | -        |  |          |   |  |                 |   |  |          |       | 66       |          |         |         | T      |          |          |          |           |       | 116        |   |        |   |   |          | П                 |           | $\Box$   |
|           | 17       | -        |  |          |   |  |                 |   |  |          |       | 67       |          |         |         |        |          |          |          |           |       | 117        |   |        |   |   |          |                   |           |          |
|           | 18       | √        |  |          |   |  |                 |   |  |          |       | 68       |          |         |         |        |          |          |          |           |       | 118        |   |        |   |   |          | $\square$         |           |          |
|           | 19       | √        |  |          |   |  |                 |   |  |          |       | 69       |          |         |         |        |          |          |          |           |       | 119        |   |        |   |   |          | $\perp$           | _         |          |
|           | 20       | √.       |  |          |   |  | Ш               |   |  | _        |       | 70       | _        | $\perp$ | $\perp$ | _      |          |          |          | _         |       | 120        |   |        |   |   |          | $\dashv$          | _         | _        |
|           | 21       | 1        |  |          |   |  |                 |   |  |          |       | 71       |          | _       |         | _      |          |          |          | _         |       | 121        |   |        |   |   |          | $\perp$           | _         |          |
|           | 22       |          |  |          |   |  |                 |   |  | _        |       | 72       |          | 4       | _       | _      |          |          | _        | _         |       | 122        |   |        |   |   |          | $\dashv$          | _         |          |
|           | 23       | _        |  | _        |   |  |                 |   |  | _        |       | 73       |          | $\perp$ | $\perp$ | _      |          |          | _        | _         |       | 123        |   |        |   |   |          | $\rightarrow$     | $\dashv$  | _        |
|           | 24       |          |  | _        |   |  |                 |   |  | _        |       | 74       |          | +       | +       | +      |          |          | 4        | _         |       | 124        |   |        |   |   |          | _                 | $\dashv$  | _        |
|           | 25       | _        |  | _        |   |  | Н               |   |  | _        |       | 75       | _        | +       | +       | -      |          |          | _        |           |       | 125        |   |        |   |   | _        | _                 | $\dashv$  | _        |
|           | 26       | -        |  | <u> </u> |   |  | $\vdash$        | - |  |          |       | 76       | $\dashv$ | +       | +       | +      | -        |          | $\dashv$ | -         |       | 126        | - | +      |   |   | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$ |
| -         | 27<br>28 |          |  | _        |   |  | $\vdash$        |   |  | _        |       | 77       | -        | +       | +       | +      |          |          | +        | -         |       | 127        |   |        |   |   |          | $\dashv$          | $\dashv$  | _        |
|           | 28       |          |  |          |   |  |                 |   |  |          |       | 78<br>79 | -        | +       | +       | +      |          |          |          |           |       | 128<br>129 |   | -      |   |   |          | $\dashv$          | $\dashv$  | _        |
|           | 30       |          |  | _        |   |  |                 |   |  |          |       | 80       | -        | +       | -       | +      |          |          | +        |           |       | 130        |   | +      |   |   |          | $\dashv$          | $\dashv$  | _        |
| _         | 31       |          |  | _        |   |  | Н               |   |  | $\dashv$ |       | 81       | +        | +       | +       | +      |          |          | +        | $\dashv$  |       | 131        |   | +      |   |   | $\dashv$ | +                 | $\dashv$  | -        |
|           | 32       |          |  |          |   |  |                 |   |  | $\dashv$ |       | 82       | -        | +       | +       | +      |          |          | +        | $\dashv$  |       | 132        |   | +      |   |   |          | $\rightarrow$     | $\dashv$  | _        |
| $\dashv$  | 33       |          |  |          |   |  |                 |   |  |          |       | 83       | -        | +       | -       | +      |          |          | +        | _         |       | 133        |   |        |   |   |          | -                 | 十         | _        |
| $\dashv$  | 34       | $\vdash$ |  |          |   |  | H               |   |  | $\dashv$ |       | 84       | -        | +       | +       | +      | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$  |       | 134        |   | +      | t | H | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$ |
| $\exists$ | 35       |          |  |          | t |  | H               |   |  | $\dashv$ |       | 85       | $\dashv$ | +       | 1       | 1      |          |          | $\dashv$ | $\exists$ |       | 135        |   |        | t | H |          | $\dashv$          | $\dashv$  | ᅱ        |
| $\exists$ | 36       |          |  |          |   |  |                 |   |  | _        |       | 86       |          | +       | $\top$  | $\top$ |          |          | $\dashv$ | $\exists$ |       | 136        |   | $\top$ |   |   |          | $\dashv$          | $\dashv$  | $\neg$   |
|           | 37       |          |  |          |   |  | $\Box$          |   |  | _        |       | 87       | $\dashv$ | $\top$  | $\top$  | $\top$ |          |          | $\dashv$ | $\exists$ |       | 137        |   |        |   | П |          | $\dashv$          | $\dashv$  | $\dashv$ |
|           | 38       |          |  |          |   |  | П               |   |  |          |       | 88       |          | $\top$  | T       | T      |          |          | $\neg$   |           |       | 138        |   |        |   | П |          | $\exists$         | ヿ         | $\neg$   |
|           | 39       |          |  |          |   |  |                 |   |  |          |       | 89       |          |         |         |        |          |          |          |           |       | 139        |   |        |   |   |          |                   | $\exists$ |          |
|           | 40       |          |  |          |   |  |                 |   |  |          |       | 90       |          |         |         |        |          |          |          |           |       | 140        |   |        | L |   |          | $\Box$            |           |          |
|           | 41       |          |  |          |   |  |                 |   |  |          |       | 91       |          |         |         |        |          |          |          |           |       | 141        |   |        | L |   |          | $\Box$            | 二         |          |
|           | 42       |          |  |          |   |  |                 |   |  |          |       | 92       |          | Ι       | Ι       |        |          |          |          |           |       | 142        |   |        |   |   |          | $\Box$            |           |          |
|           | 43       |          |  |          |   |  |                 |   |  | _        |       | 93       |          |         |         |        |          |          |          |           |       | 143        |   |        |   |   |          | $\Box$            |           |          |
|           | 44       |          |  |          |   |  |                 |   |  | _        |       | 94       |          | $\perp$ | $\perp$ |        |          |          | $\Box$   |           |       | 144        |   |        |   |   |          | $oldsymbol{\bot}$ | $\Box$    |          |
|           | 45       |          |  |          |   |  | Ш               |   |  | _        |       | 95       |          | Ţ       |         |        |          |          |          |           |       | 145        |   |        |   |   |          | $\Box$            |           |          |
|           | 46       |          |  |          |   |  | Ш               |   |  | _        |       | 96       |          | ╧       |         |        |          |          |          | _         |       | 146        |   |        |   |   |          | $oldsymbol{\bot}$ |           |          |
|           | 47       |          |  |          |   |  | Ш               |   |  | _        |       | 97       |          | $\perp$ | $\perp$ |        |          |          |          | _         |       | 147        |   |        |   |   |          | $\perp$           | $\Box$    |          |
|           | 48       |          |  |          |   |  | Ш               |   |  | _        |       | 98       | $\perp$  | $\perp$ | $\perp$ | _      |          |          | _        | _         |       | 148        |   |        | 1 | Ш |          | ightharpoonup     |           | $\Box$   |
|           | 49       | <u> </u> |  | <u> </u> | L |  | Ш               |   |  | _        |       | 99       | $\perp$  | $\perp$ | $\perp$ | _      | 1        |          | _        | _         |       | 149        |   |        | 1 | Ш |          | $\dashv$          | _         | $\perp$  |
|           | 50       |          |  |          |   |  |                 |   |  |          |       | 100      |          |         |         |        |          |          |          |           |       | 150        |   |        | 1 |   |          | $_{\perp}$        |           |          |